Service Manual

Zenis POS Series

Version 1.0

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I Part List

A. Explode

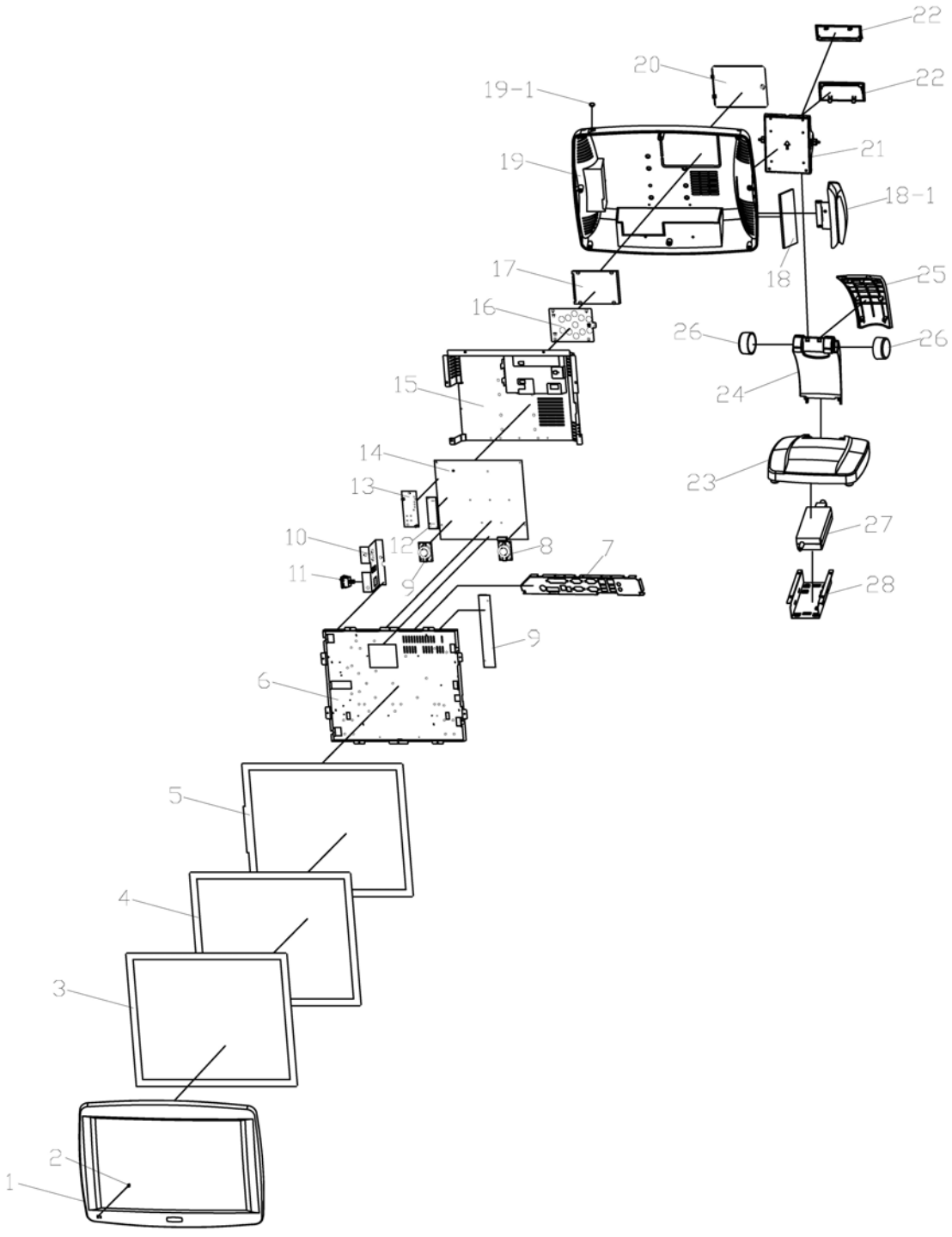


Figure 1 Explode of the System

No.	Part No.	Description	Price(USD)
1	JP-POS-3000-FRONT-COVER-W	Front Cover(White)	12
2	CP-CBL-POS-7000-LED-PW	Power Indicator	1
3	JP-POS-5050-RUBBER	Touch Panel Rubber	3
4	BP-PART-CUBIC-QF117V1	Inverter	12
5	LC-LG-LM150X08	LCD Panel	156
6	KP-POS-5700-LCD	LCD Panel Chassis	10
7	LT-HT-150F-5RA-G01N-18R-200FH	Touch Panel	50
8	KP-POS-8015-10-BRKT	Power Switch Bracket	3
9	NS-POS-5000-HIT-4028-82280	Speakers	5
10	KP-POS-5715-PWR-SW-BRKT	Power Switch Bracket	3
11	CP-CBL-POS-5700-SW-B15CM	Power Switch	2
12	BP-PART-THPCBA-COMBO-R5W-3100C	Touch Control Board	20
13	BP-PCBA-POS-5700-CONN	PS2 Board	10
14	BP-PART-POS-3000-MB-PCBA	Mainboard	200
15	KP-POS-5715-MB-COVER	Mainboard Cover	8
16	KP-POS-6000-HD-HOLDER	HDD Holder	2
17	BP-PART-SATA-2.5HDD-80G-5400	HDD	70
18	JP-POS-3000-MSR-RIGHT-Cover-W	MSR Cover	1
18-1	BP-SEMI-POS-3000-MSR-KP-W	MSR Kit	40
19	JP-POS-3000-REAR-COVER-W	Rear Cover	15
*19-1	JP-POS-3000-ANTENNA-PLUG-W	Plug	0.20
20	JP-POS-3000-HD-COVER-W	HDD Cover	3
21	BP-SEMI-POS-3000-HINGE-HOLDER-W	Hinge Holder	10
22	JP-POS-3000-HINGE-COVER-W	Hinge Rear Cover	2
23	KP-POS-3000-BASE-W	Aluminum Base	30
24	KP-POS-3000-BASE-HOLDER-W	Base Holder	3
25	JP-POS-3000-BASE-COVER-W	Base Cover	3
26	JP-POS-3000-HINGE-SWIVEL-W	Hinge Swivel	3
27	DP-PWRC-EA11003A-ED	Power Adapter	35
28	KP-POS-3000-PWR-BRKT	Power Adapter Holder	6

* If the antenna is equipped, the plug will not be included in the system.

B. Cables & Connectors

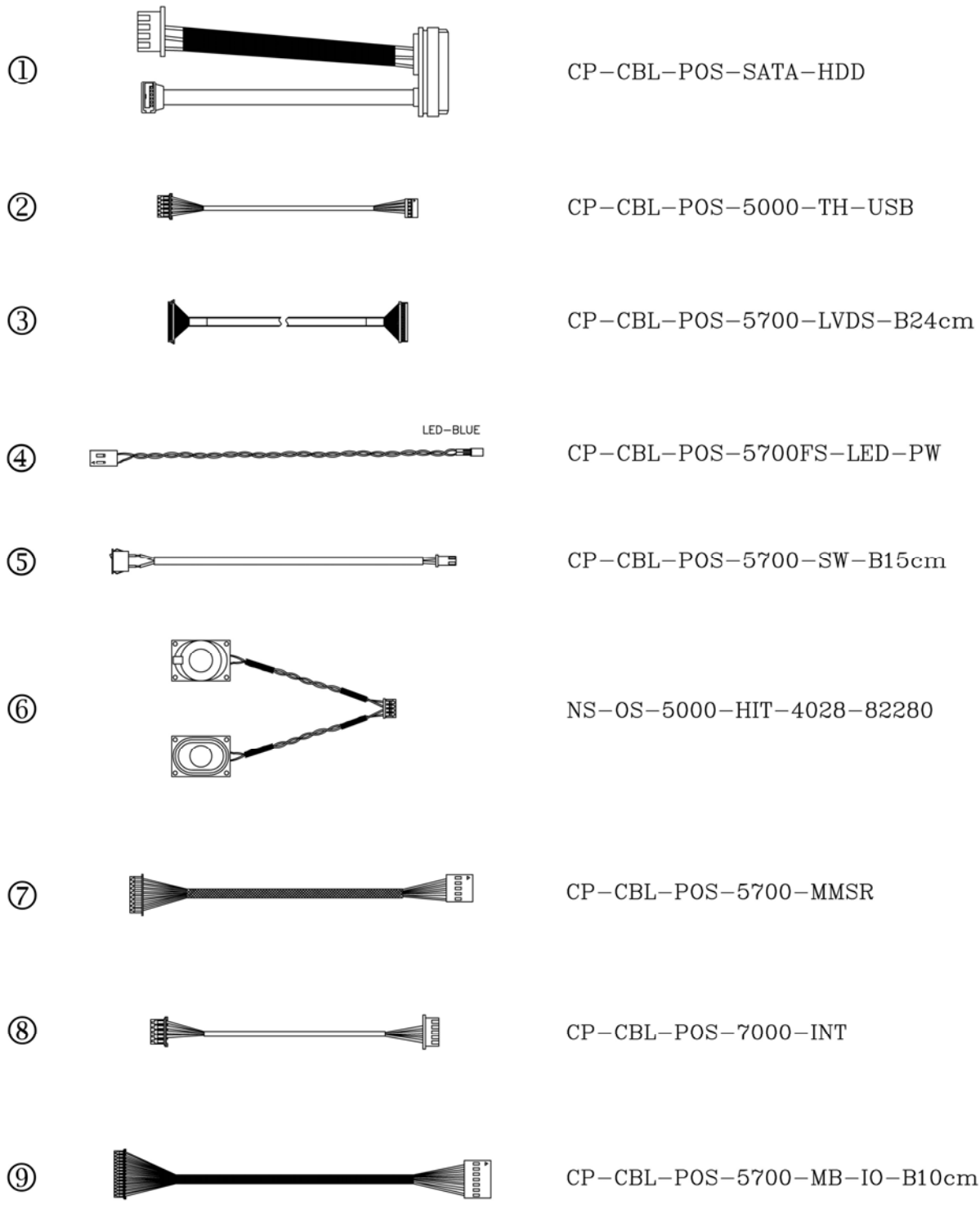


Figure 2 Cables

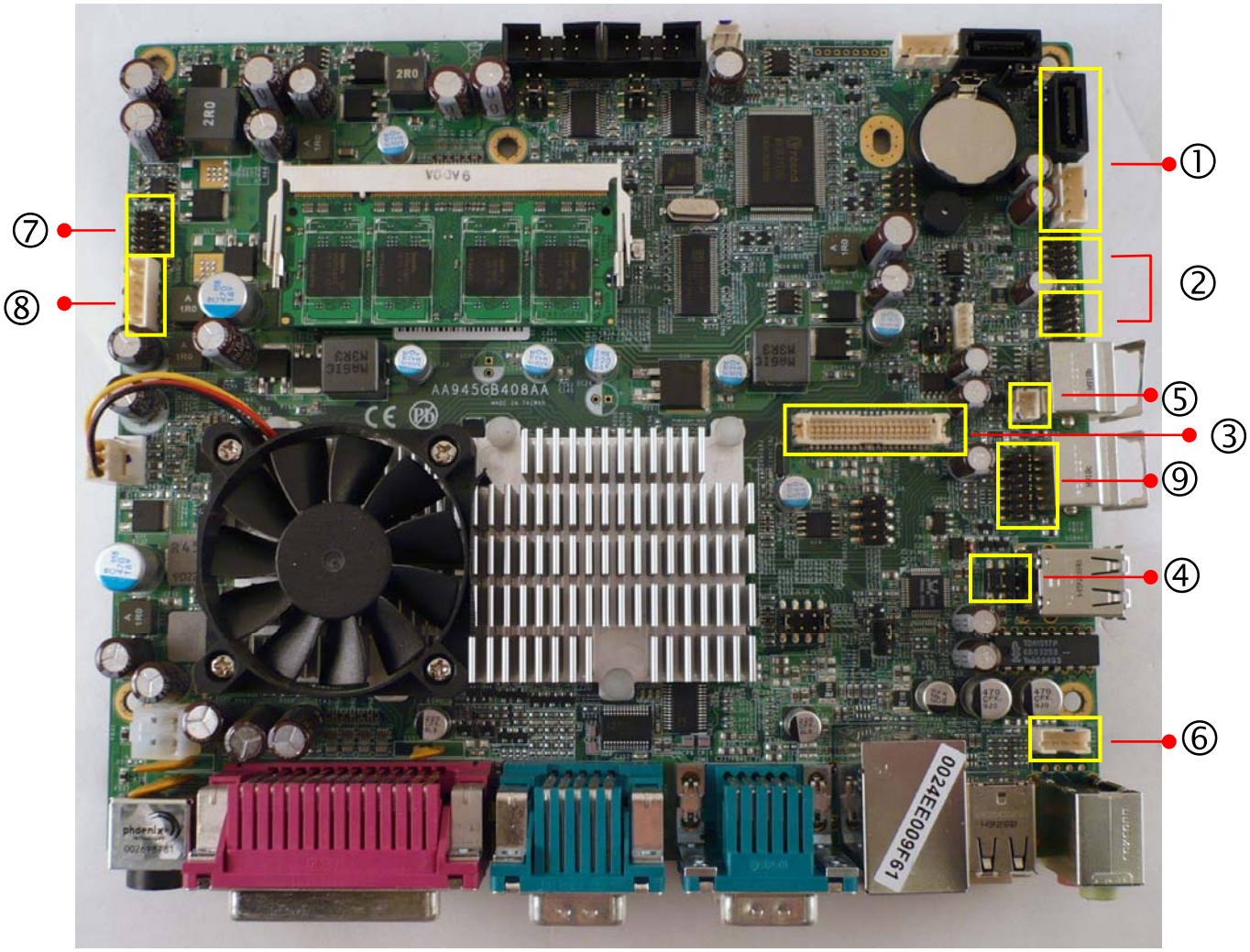


Figure 3 Mainboard Layout

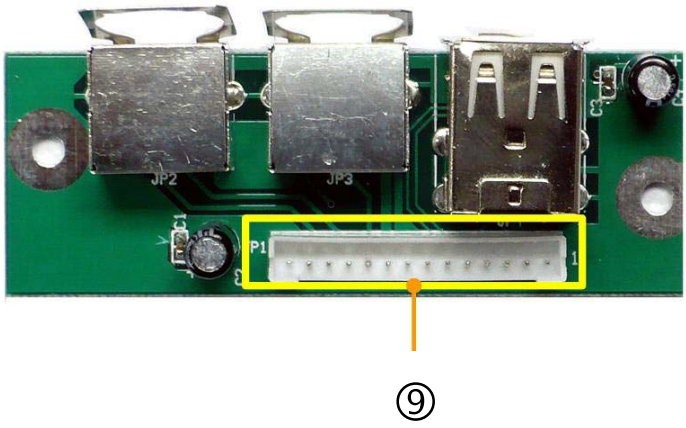


Figure 4　I/O Board Layout

Figure 5　Inverter Layout

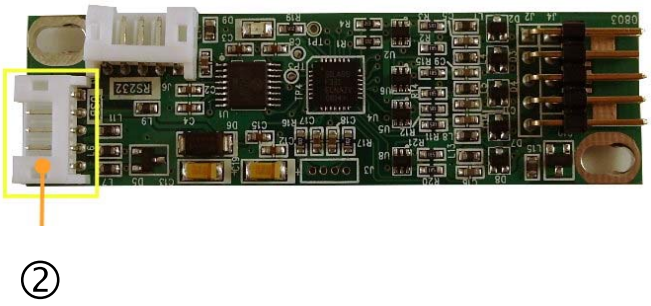


Figure 6　Touch Control Board Layout

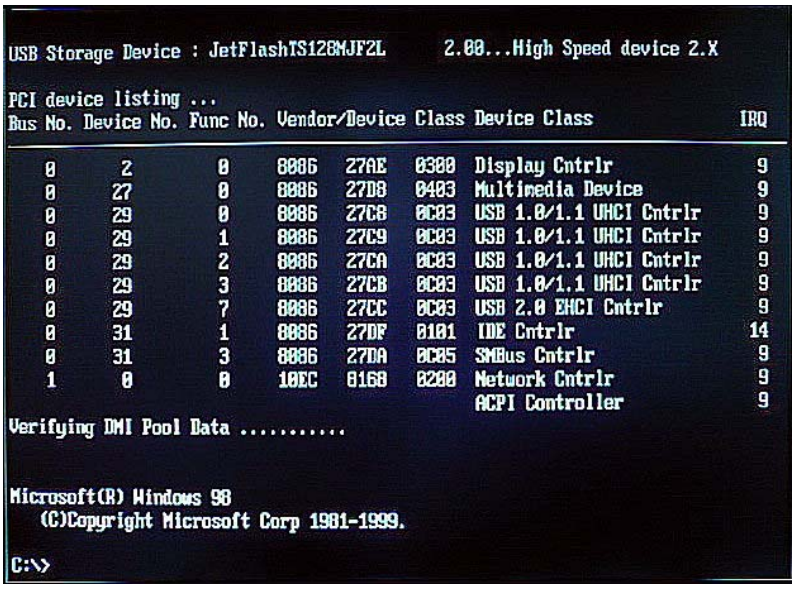
No.	Part No.	Description	Price(USD)
1	CP-CBL-POS-SATA-HDD	HDD Cable	5
2	CP-CBL-POS-5000-TH-USB	Touch Cable	2
3	CP-CBL-POS-5700-LVDS-B24cm	LVDS Cable	4
4	CP-CBL-POS-5700FS-LED-PW	Power Indicator	1
5	CP-CBL-POS-5700-SW-B15CM	Power Switch	2
6	NS-POS-5000-HIT-4028-82280	Speakers	5
7	CP-CBL-POS-5700-MMSR-B17cm	MSR Cable	3
8	CP-CBL-POS-7000-INT	Inverter Cable	2
9	CP-CBL-POS-5700-MB-IO-B10	I/O Board Cable	2

Part No.	Description	Price(USD)
BP-PART-POS-5000-HEATSINK	CPU heat dissipation fin	15
BP-PART-SYS –FAN-DFB500912M	POS System Fan DFB500912M	5
BP-PART-DDR2-667/800-1GB	DDRII RAM 1GB, DDR2-667/800 200Pin	35
BP-PART-DDR2-667/800-2GB	DDRII RAM 2GB, DDR2-667/800 200Pin	60

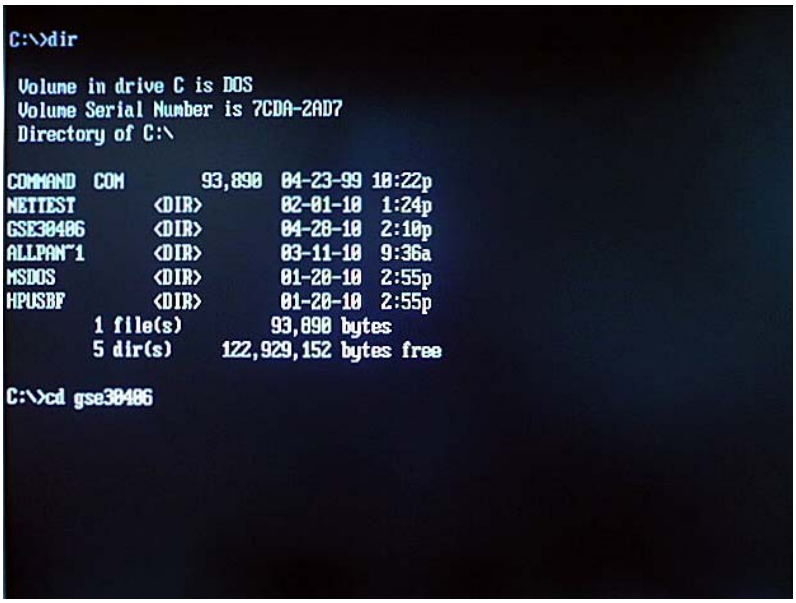
II Flash/Update BIOS

a. Download “GSE30406” folder to a bootable USB-FDD or USB drive.

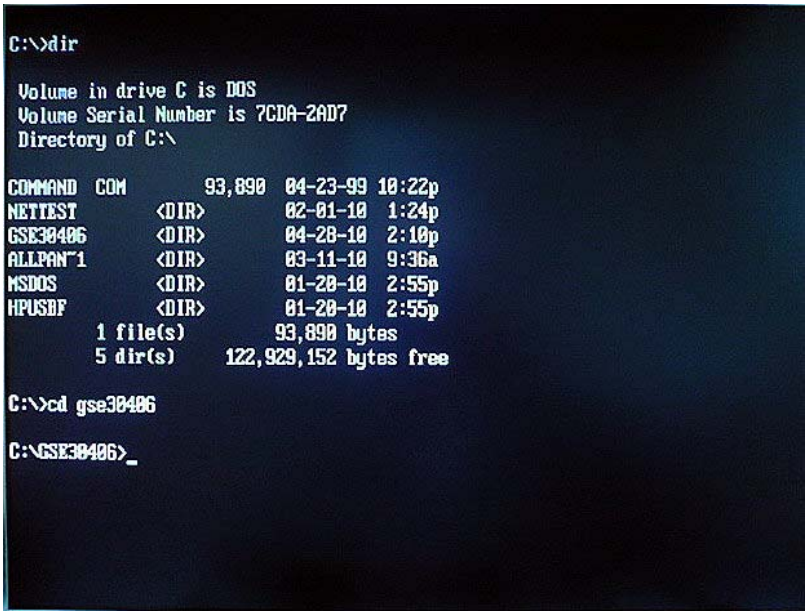
b. Disconnect the HDD cable from the hard drive disk. Connected an external USB-FDD or USB drive to POS-3000, and enter the DOS system as the figure below.



c. As “C:\>” appears, enter “dir” and press the <Enter> key to enter the GSE30406 menu as the figure below.

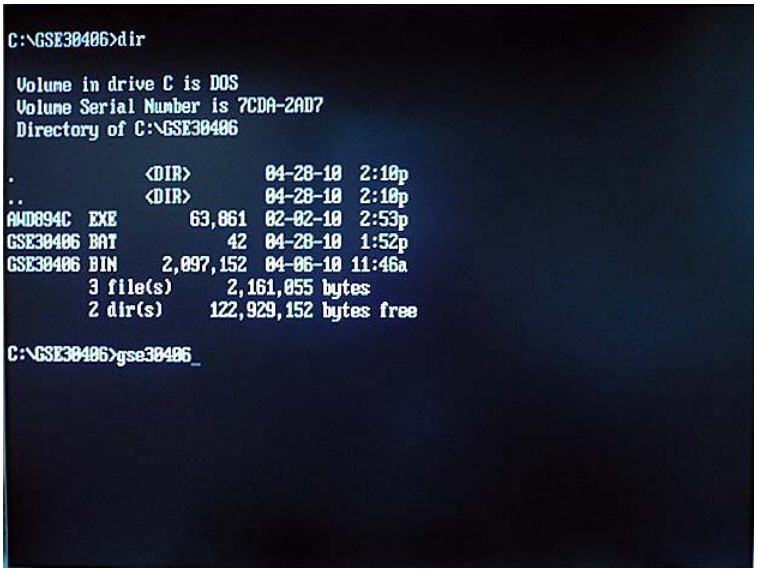


d. Enter “cd GSE30406” and then press the <Enter> key. The content of “GSE30406” folder will show on the monitor as the figure below.

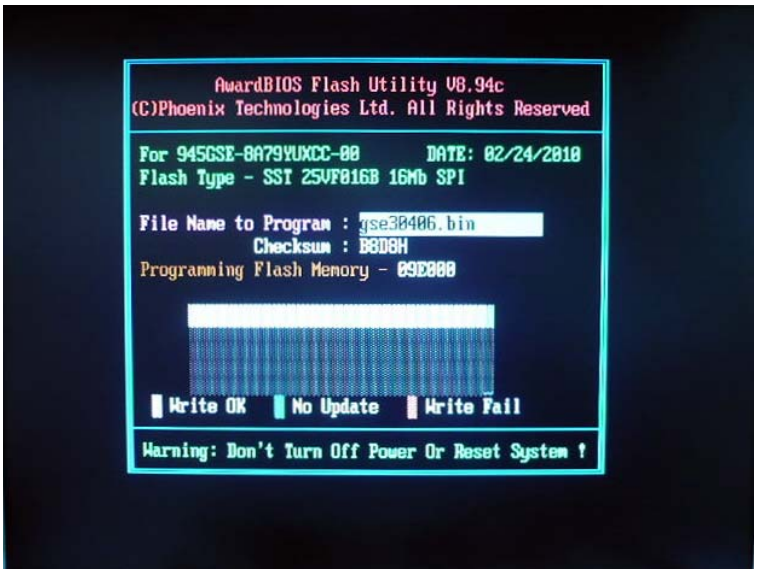


e. Enter “dir” and then press the <ENTER> key. View the batch file in the GSE30486 folder.

f. Enter the name of the batch folder and then press the <ENTER> key to progress BIOS UPDATE.



g. BIOS UPDATE in progress



III System Disassembly

A. Separate Front Panel from Base

1. Tilt the LCD panel to the horizontal level and unplug the power cord.

2. Remove the hinge holder covers according to the direction of the arrows.

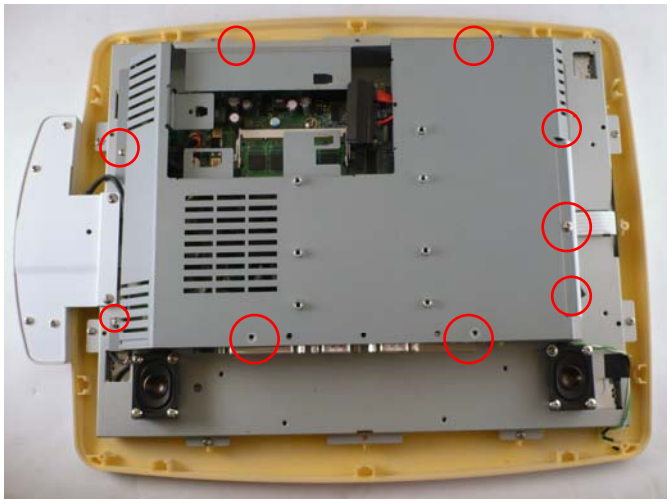
3. Lossen the 5 screws to remove the base holder from the panel

B. Disassemble Panel Kit

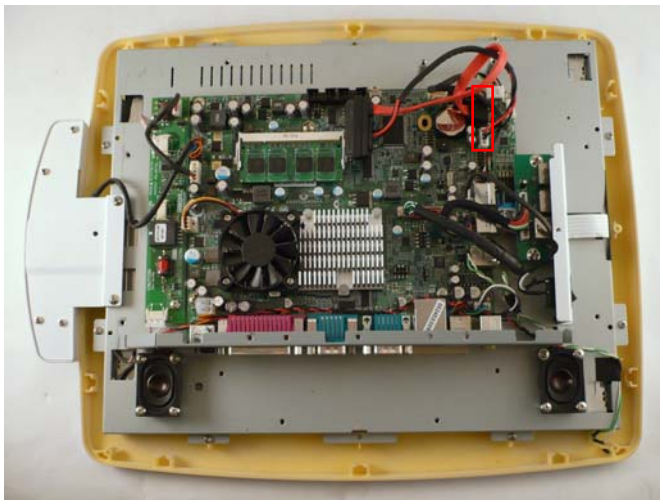
4. Loosen the screw to remove the HDD cover.

5. Loosen the screw x 8 to remove the back cover.

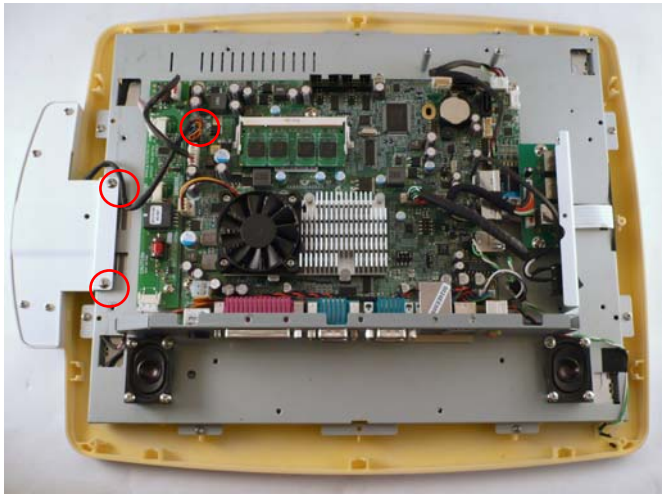
6. Loosen the spacer and disconnect the HDD cable.



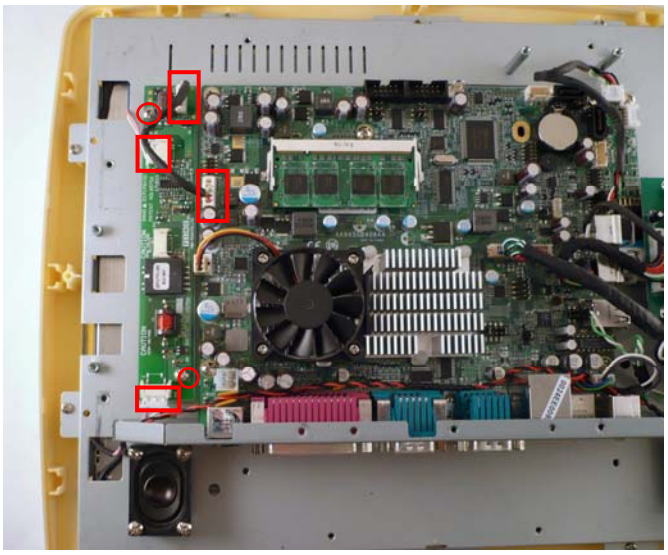
7. Loosen the screw x 9 to remove the bracket.



8. Disconnect the HDD cable.

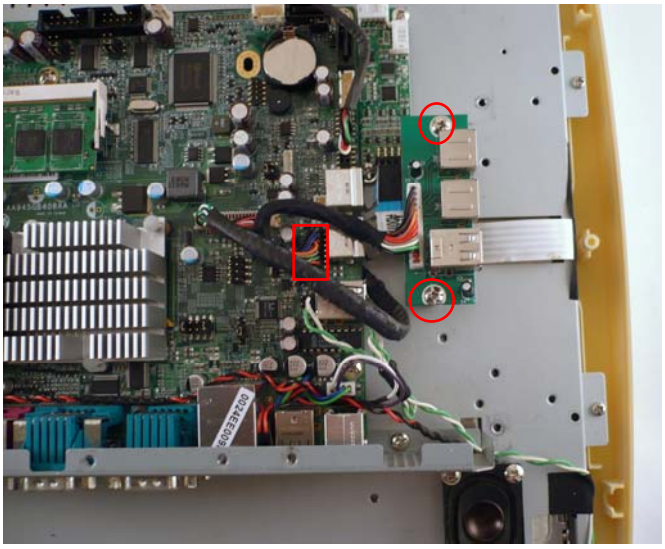


9. Loosen the screw x 2 and MSR cable to remove the MSR kit.



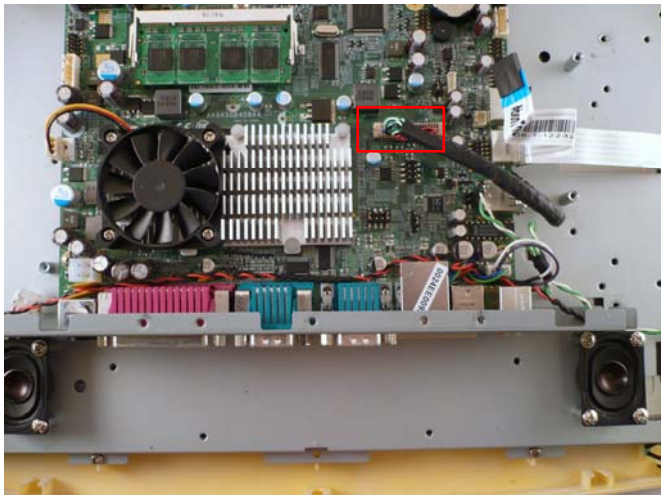
10. Loosen the screw x 2 and disconnect the 3 cables to remove the invertor.

11. Loosen the screw x 2 and disconnect the cable to remove the SW plate.

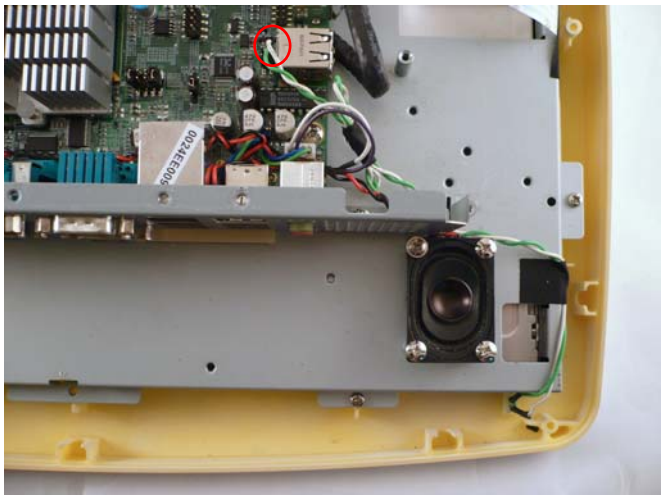


12. Pull the hooks to remove the Connect board

13. Loosen the screw x 2 and disconnect the touch USB cable to remove the touch control board.

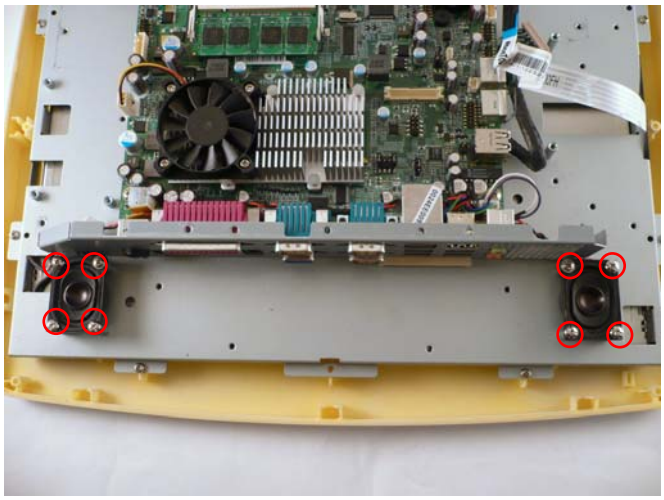


14. Disconnect the LVDS cable.

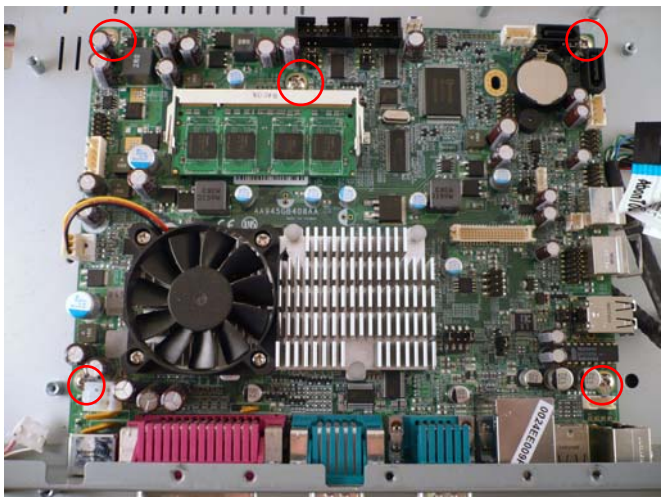


15. Disconnect the LED cable

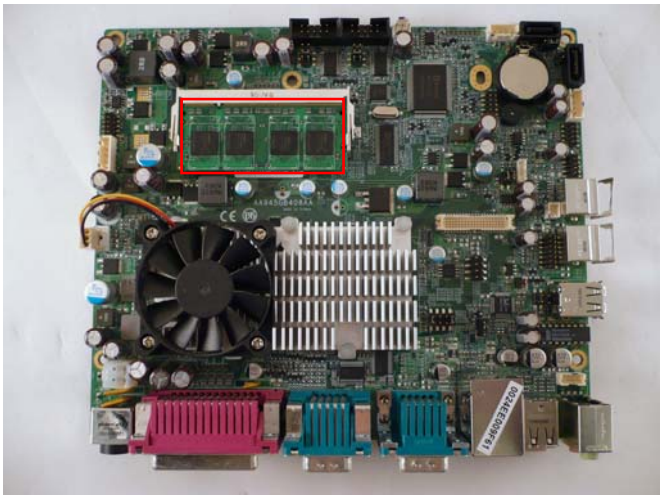
16. Loosen the spacer x 10 on the I/O bracket.



17. Loosen the screw x 8 to remove the speakers.

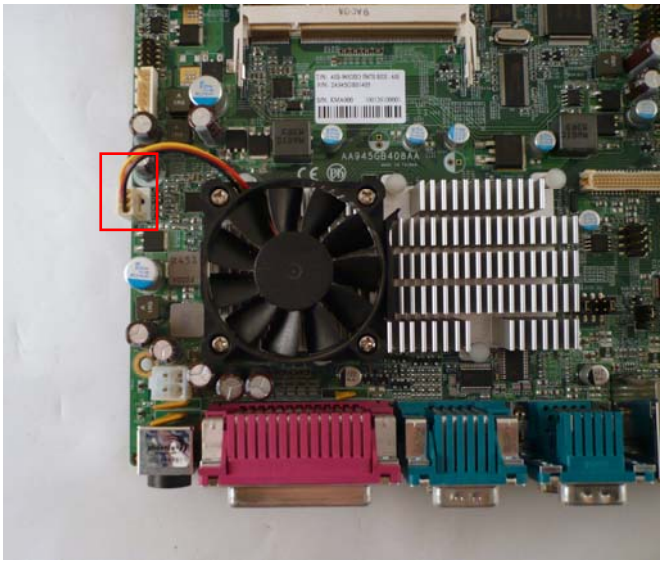


18. Loosen the screw x 5 to remove the mainboard from the LCD panel holder.

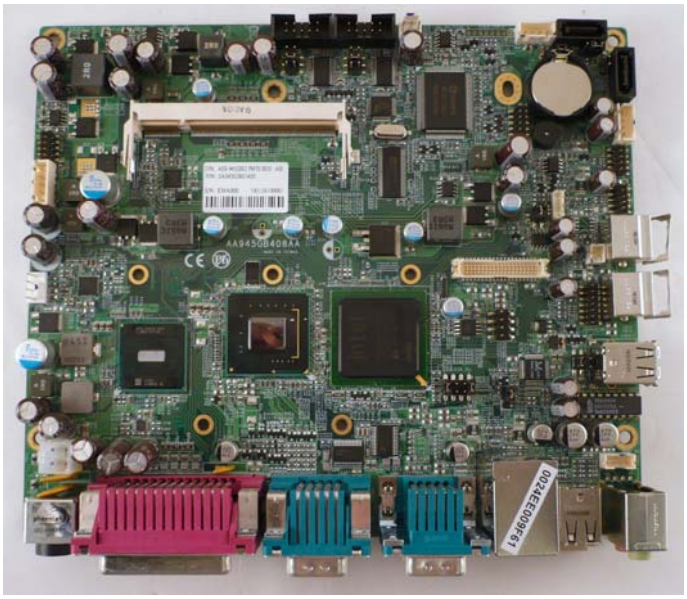


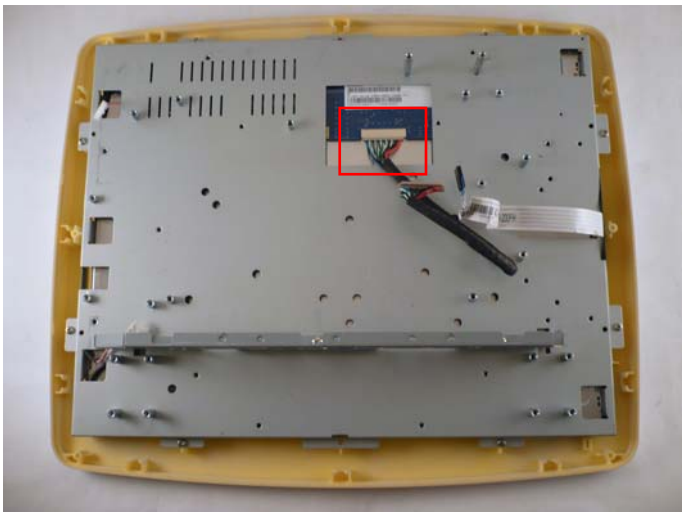
19. Remove the RAM.

20. Turn over the mainboard and loose the 5 screws



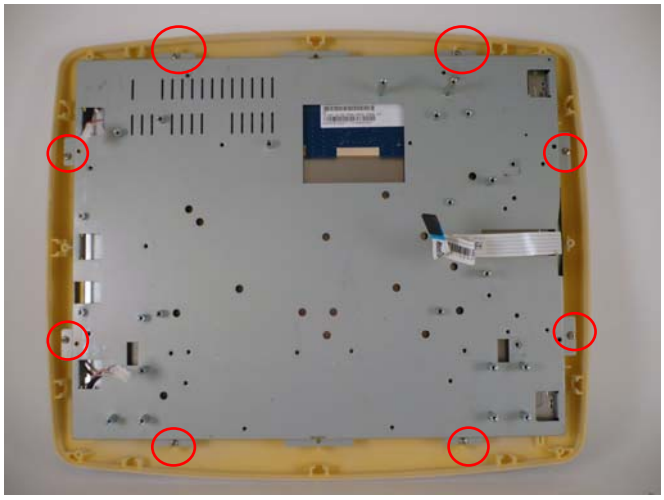
21. Remove the fan cable and remove the heat sink.





22. Tear the black tape and disconnect the LVDS cable.3

23. Loosen the screw x 3 to remove the I/O bracket from the LCD panel holder.



24. Loosen the screw x 7 to remove the LCD panel holder.

25. Loosen the screw x 4 to remove the LCD panel holder.

26. Remove the front cover of the touch panel.

27. Remove the rubber.

C. Disassemble Base Kit

28. Turn over the base and loosen the screw x 4 to remove the power adaptor.

29. Remove the hinge swivels.

30. Loosen the screw x 8 on both sides to remove the hinge holder.